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Docket No.: 17250/019001
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Olivier Condemine

Application No.: 10/566,451

Confirmation No.: 5473

Filed: January 30, 2006

Art Unit: 2616

For: TRANSMISSION PROTOCOL
AUTOMATIC DETECTION METHOD
FOR A PORTABLE OBJECT SUCH AS A
CHIP CARD OR A CHIP KEY

Examiner: Not Yet Assigned

REQUEST FOR REPUBLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Applicant hereby requests that a corrected Patent Application Publication be republished. The official Patent Application Publication received by Applicant, a copy of which is attached hereto, has an error in the claims. Please replace the current claims with the claims in the Preliminary Amendment. Applicant requests republication to correct this error and to correctly reflect the claims as shown in the enclosed copy of the preliminary amendment which shows the amended Claims.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 50-0591, under Order No. 17250/019001.

Dated: September 26, 2007

Respectfully submitted,

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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A processing method for data exchanged between a portable object and an interface device, the portable object being of [[the]] a chip card or chip key type, characterized in that wherein the method comprises a protocol detection mode implemented within and by the portable object, comprising in which the following steps are planned:
 - a) receiving After transmission of a response upon turning on the portable object, an initial signal is received from the interface device, wherein the initial signal is received after transmission of a response upon turning on the portable object;
 - b) sampling In the portable object, said initial signal is sampled according to at least one of [[the]] a first speed and a second speed[[s]] associated with [[the]] a first protocol and a second respective protocol[[s]] in the portable object;
 - c) comparing, [[I]] in the portable object, at least one sample of a resulting sampling signal is compared to at least one key protocol condition proper corresponding to one of the first protocol and the second protocol[[s]]; and
 - d) processing data exchanged according to one of the first protocol and the second protocol. According to based on a [[the]] result of the comparison, the data exchanged according to one of the first or second communication protocols is processed in the portable object.
2. (Currently Amended) The method according to claim 1, characterized in that wherein step b) consists of sampling said [[the]] initial signal according to the first speed or the second speed, wherein the first speed corresponds to the first protocol and the second speed corresponds to the second protocol corresponding respectively to the first and second protocols, and wherein that step c) consists of comparing the at least one sample [[from]] of the resulting sampling signal to [[a]] the key protocol condition [[proper]] according to the first protocol, second protocol respectively, in case of if the comparison is a positive comparison, and according to the second protocol, first protocol respectively, in case of if the comparison is a negative comparison.

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3. (Currently Amended) The method according to claim 1 any one of the previous claims, characterized in that wherein the key protocol condition proper corresponding to the first protocol relates to the parity of [[the]] a first bit of [[the]] a first character of the first protocol.
4. (Currently Amended) The method according to claim 1, characterized in that wherein the second protocol key protocol condition corresponding to the second protocol relates to [[the]] a value of [[the]] a most significant bit of [[the]] a first character of the second protocol.
5. (Currently Amended) The method according to claim 1, characterized in that wherein [[the]] an elementary time unit of the first speed is equal to 372/if, where "if" is [[the]] a frequency provided by the interface device during the response [[to]] when the portable object being is turned on.
6. (Currently Amended) The method according to claim 1, characterized in that wherein [[the]] an elementary time unit of the second first speed is equal to 396/if, where "if" is the frequency provided by the interface device during the response [[to]] when the portable object being is turned on.
7. (Currently Amended) The method according to claim 1 any one of the previous claims, characterized in that wherein the portable object is [[a]] the chip card implementing both a protocol in conformance with ISO standard 7816-3 and a SYSTÉM (registered trademark) digital television protocol.
8. (Currently Amended) A portable object able to exchange data with an interface device, wherein the portable object being of the is a chip card or a chip key type, characterized in that and the portable object comprises means for processing configured able, after transmission of a response to the portable object being turned on, to:
receive from the interface device an initial signal from the interface device; [[to]] sample said initial signal according to at least one of [[the]] a first speed associated with a first protocol and a second speed[[s]] associated with the first and a second respective protocol[[s, to]];

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compare at least one respective sample of said initial signal thus sampled according to at least the first and second speeds to at least the a key protocol conditions proper corresponding to the first and second protocols respectively; and according to the result of the comparison, to process [[the]] data [[thus]] exchanged according to one of the first or the second communication protocols based on a result of the comparison.

9. (Currently Amended) The portable object according to claim 8, characterized in that wherein the key protocol condition proper corresponding to the first protocol relates to the parity of [[the]] a first bit of [[the]] a first character sampled at the speed in conformance with the standard of the first protocol.
10. (Currently Amended) The portable object according to claim 8, characterized in that wherein the key condition proper to the second protocol condition corresponding to the second protocol relates to [[the]] a value of [[the]] a most significant bit of [[the]] a first character read at the non-conforming speed of the second protocol.
11. (Currently Amended) The portable object according to claim 8, characterized in that wherein [[the]] an elementary time unit of the first speed in[[s]] equal to 372/if, where "if" is [[the]] a frequency provided by the interface device during the response [[to]] when the portable object being is turned on.
12. (Currently Amended) The portable object according to claim 8, characterized in that wherein [[the]] an elementary time unit of the second first speed is equal to 396/if, where "if" is the frequency provided by the interface device during the response [[to]] when the portable object being is turned on.
13. (Currently Amended) The portable object according to any one of claims[[s]] 8 to 12, characterized in that wherein the portable object is [[a]] the chip card implementing both a protocol in conformance with ISO standard 7816-3 and a SYSTÈME (registered trademark) digital television protocol.
14. (Currently Amended) A computer program stored on an information support, said program comprising instructions allowing the implementation of a processing method, comprising:

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according to any one of claims 1 to 7, when this program is loaded and executed by a computer system.

receiving an initial signal from the interface device, wherein the initial signal is received after transmission of a response upon turning on the portable object;
sampling said initial signal according to at least one of a first speed and a second speed associated with a first protocol and a second protocol in the portable object;
comparing, in the portable object, at least one sample of a resulting sampling signal to at least one key protocol condition corresponding to one of the first protocol and the second protocol; and
processing data exchanged according to one of the first protocol and the second protocol based on the result of the comparison in the portable object.

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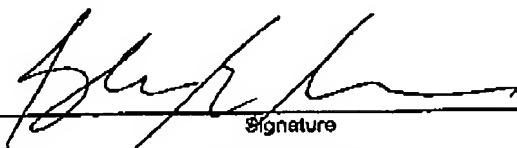
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